1.96
R31 Fsmo
cop. 2

Federal - State Cooperative
Snow Surveys and Water Supply Forecasts
for

Montana and Northern Wyoming Upper Missouri, Upper Columbia and Yellowstone Rivers

LIBRARY
CURRENT SERIAL RECORDS
JUN 22 1954
U.S. DEPARTMENT OF AGRICULTURE

DIVISION OF IRRIGATION, SOIL CONSERVATION SERVICE
UNITED STATES DEPARTMENT OF AGRICULTURE
AND
MONTANA AGRICULTURAL EXPERIMENT STATION

In cooperation with the U. S. Forest Service, U. S. Geological Survey, National Park Service, U. S. Bureau of Reclamation, State Engineers of Montana and Wyoming and other Federal, State and local organizations.

AS OF
JUN 1 1954

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

TO RECIPIENTS OF COOPERATIVE SNOW SURVEY
AND WATER SUPPLY FORECAST REPORTS:

Forecasts by U. S. Weather Bureau of total annual streamflow October-September, inclusive, at more than 300 gaging stations are issued monthly January through May in the publication WATER SUPPLY FORECASTS FOR THE WESTERN UNITED STATES.

Weather Bureau forecasts of runoff presented in that bulletin are computed from procedures based on mathematical analysis of the relation between precipitation and runoff.

The Weather Bureau bulletins may be secured by writing to:

Hydrologist in Charge
River Forecast Center
U. S. Weather Bureau
712 Federal Office Building
Kansas City 6, Missouri

For current information on local river and flood conditions, reference should be made to the appropriate River District Office, listed below:

Meteorologist in Charge..... Weather Bureau Office Box 1705 Helena, Mont.	Missouri River and tributaries above Fort Peck Dam; Milk River
Meteorologist in Charge..... Weather Bureau Airport Station Box 1338 Billings, Mont.	Yellowstone River and tributaries.
Meteorologist in Charge..... Weather Bureau Airport Station R.F.D. #1 Spokane, Washington	Columbia River and tributaries above and including Grand Coulee Dam.

State of Montana

FEDERAL - STATE COOPERATIVE

SNOW SURVEYS and WATER SUPPLY FORECASTS

for
SNOW SURVEY DATA
June 1, 1954

Report Prepared by:

A. R. Codd
Hydraulic Engineer
Soil Conservation Service

and
O. W. Monson
Irrigation Engineer
Montana Agricultural
Experiment Station

Soil Conservation Service
U. S. Department of Agriculture
and
Montana Agricultural Experiment Station
Bozeman, Montana

Report issued by:

Truman C. Anderson
State Conservationist
of Montana

M. M. Kelso, Director
Montana Agricultural
Experiment Station

MONTANA SNOW SURVEYS JUNE 1, 1954

COLUMBIA RIVER DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS June 1, 1954 Date of Survey	Snow Depth (In.)	Water Content (In.)	Past Record Water Content (In.) 1953	1951	1950	Avg.	Years of Record
KOOTENAI RIVER (above Libby, Mont.)										
Baree Mt.	15B1	6000	6/1	83	47.2	-	-	58.1		2
Blue Bird Basin	14A1	6800	6/2	84	44.5	-	35.4	42.3	30.9	3
Brush Creek	14A4	5000	6/1	00	00	-	00	2.1	-	2
Fernie	Canada	3500	5/31	Snoline	5200	-	-	-	-	-
Grey Creek	Canada	5100	5/31	33	14.4	-	11.2	-	-	1
Marble Canyon	Canada	5000	5/31	15	6.3	-	2.7	6.5	-	2
Red Mt.	15A1	6000	6/1	26	13.2	-	4.2	15.4	-	2
Sullivan Mine	Canada	5100	6/1	2	0.7	-	-	2.5	-	1
Glacier	Canada	4100	5/30	48	20.8	-	-	00	-	1
FLATHEAD RIVER										
Big Creek	13B3	6750	5/31	63	34.4	46.8	43.2	58.1	43.7	4
Blue Bird Basin	14A1	6800	6/1	84	44.5	-	35.1	42.3	30.0	3
Brush Creek	14A4	5000	6/1	00	00	-	00	2.1	-	2
Desert Mt.	13A2	5600	6/1	00	00	-	00	5.2	-	3
Holbrook	14B13	4530	6/1	00	00	-	-	-	-	-
Marias Pass	13A5	5250	6/1	27	13.4	-	-	-	-	-
N. Fk. Jocko	13B7	6330	5/28	59	30.2	34.0	28.7	44.6	25.9	4
CLARK FORK RIVER										
Slide Rock Mt.	13C2	7100	6/1	17	5.5	-	-	-	-	1
Stuart Mt.	13C1	7400	6/2	42	18.5	-	-	-	-	1
BITTERROOT RIVER										
Gibbons Pass	13D2	7100	6/2	5	1.3	19.9	6.6	23.9	13.5	4
Nezperce Pass	14D1	6575	6/1	00	00	8.3	00	1.2	2.4	4
Packers Meadow	14C2	5700	6/1	00	00	-	-	1.5	-	1
PEND ORIELLE RIVER										
Baree Mt.	13B1	6000	6/1	83	47.2	-	-	58.1	-	2
Freezeout Sum.	15C3	7000	5/31	71	37.2	-	-	-	-	1
Hoodoo Creek	15C1	6200	6/1	83	41.2	-	-	-	-	0

Federal - State - Private

COOPERATIVE SNOW SURVEYS

—

Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

"WATER IS THE WEST'S GREATEST RESOURCE"